

L Number	Hits	Search Text	DB	Time stamp
-	1	("2098602").PN.	USPAT; US-PGPUB	2004/09/22 07:54
-	825	sibutramine	USPAT; US-PGPUB	2004/09/22 07:54
-	825	sibutramine	USPAT; US-PGPUB	2004/09/22 07:55
-	1313531	obesity or weight	USPAT; US-PGPUB	2004/09/22 07:55
-	559284	salt	USPAT; US-PGPUB	2004/09/22 07:55
-	84	sibutramine same (obesity or weight) same salt	USPAT; US-PGPUB	2004/09/22 07:56
-	441	methanesulfonate or metanesulphonate	USPAT; US-PGPUB	2004/09/22 07:56
-	20283	methanesulfonate or metanesulphonate	USPAT; US-PGPUB	2004/09/22 07:57
-	0	(sibutramine same (obesity or weight) same salt) same (methanesulfonate or metanesulphonate)	USPAT; US-PGPUB	2004/09/22 07:57
-	16	(sibutramine same (obesity or weight) same salt) and (methanesulfonate or metanesulphonate)	USPAT; US-PGPUB	2004/09/22 08:07
-	5453	hemihydrate	USPAT; US-PGPUB	2004/09/22 07:58
-	1	hemihydrate and ((sibutramine same (obesity or weight) same salt) and (methanesulfonate or metanesulphonate))	USPAT; US-PGPUB	2004/09/22 07:58
-	65352	"I2"	USPAT; US-PGPUB	2004/09/22 08:19

=> d his

(FILE 'HOME' ENTERED AT 09:38:42 ON 22 SEP 2004)

FILE 'REGISTRY' ENTERED AT 09:38:47 ON 22 SEP 2004

L1 STRUCTURE UPLOADED

L2 1 S L1 CSS

L3 20 S L1 CSS FUL

=> d his

(FILE 'HOME' ENTERED AT 09:38:42 ON 22 SEP 2004)

FILE 'REGISTRY' ENTERED AT 09:38:47 ON 22 SEP 2004

L1 STRUCTURE UPLOADED

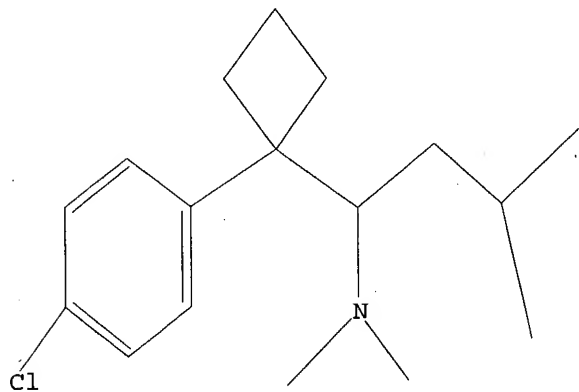
L2 1 S L1 CSS

L3 20 S L1 CSS FUL

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> d ide bib abs 1-3 l3

L3 ANSWER 1 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN

RN 732275-42-2 REGISTRY

CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl-α-(2-methylpropyl)-, sulfate (2:1) (9CI) (CA INDEX NAME)

MF C17 H26 Cl N . 1/2 H2 O4 S

SR CA

LC STN Files: CA, CAPLUS

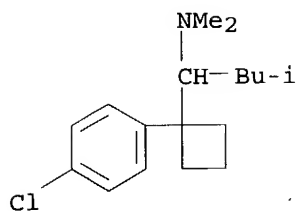
DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

CRN 106650-56-0

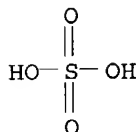
CMF C17 H26 Cl N



CM 2

CRN 7664-93-9

CMF H2 O4 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

AN 141:179571 CA  
TI Preparation of sibutramine hydrogensulfate  
IN Athayde, Alcebiades de Mendonca  
PA Libbs Farmaceutica Ltda, Brazil  
SO Braz. Pedido PI, 9 pp.  
CODEN: BPXXDX  
DT Patent  
LA Portuguese  
FAN.CNT 1

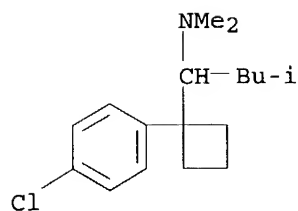
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BR 2001005486	A	20031007	BR 2001-5486	20010927
PRAI	BR 2001-5486		20010927		
AB	Sibutramine hydrogensulfate is prepared				

L3 ANSWER 2 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 676598-10-0 REGISTRY  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, methanesulfonate (9CI) (CA INDEX NAME)  
MF C17 H26 Cl N . C H4 O3 S  
SR CA  
LC STN Files: CA, CAPLUS; USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 106650-56-0

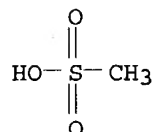
CMF C17 H26 Cl N



CM 2

CRN 75-75-2

CMF C H4 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

AN 140:309416 CA

TI Pharmaceutical composition comprising crystalline sibutramine  
methanesulfonate hemihydrate

IN Lee, Jae-heon; Park, Gha-seung; Lee, Jae-cheol; Kim, Han-kyong; Chang,  
Young-kil; Lee, Gwan-sun

PA S. Korea

SO U.S. Pat. Appl. Publ., 13 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004068018	A1	20040408	US 2003-678325	20031003
	WO 2004030663	A1	20040415	WO 2003-KR1955	20030925
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,				
	GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				
	PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,				
	TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG,				
	KZ, MD, RU, TJ				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,				
	NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,				
	GW, ML, MR, NE, SN, TD, TG				

PRAI KR 2002-60798 20021005

KR 2003-53752 20030804

AB The present invention relates to a pharmaceutical composition for treating or  
preventing obesity, comprising novel crystalline sibutramine methanesulfonate  
hemihydrate. The crystalline sibutramine methanesulfonate hemihydrate  
according to the present invention has a much higher solubility in water, and  
enhanced stability under a high humidity/temperature condition, as compared

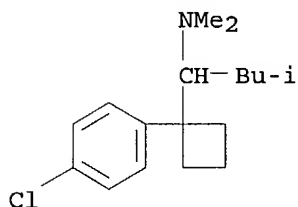
with

sibutramine hydrochloride monohydrate.

L3 ANSWER 3 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 676598-09-7 REGISTRY  
 CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, methanesulfonate, hydrate (2:1) (9CI) (CA INDEX NAME)  
 MF C17 H26 Cl N . C H4 O3 S . 1/2 H2 O  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

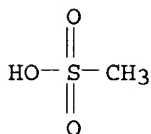
CM 1

CRN 106650-56-0  
 CMF C17 H26 Cl N



CM 2

CRN 75-75-2  
 CMF C H4 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

# REFERENCE 1

AN 140:309416 CA  
 TI Pharmaceutical composition comprising crystalline sibutramine methanesulfonate hemihydrate  
 IN Lee, Jae-heon; Park, Gha-seung; Lee, Jae-cheol; Kim, Han-kyong; Chang, Young-kil; Lee, Gwan-sun  
 PA S. Korea  
 SO U.S. Pat. Appl. Publ., 13 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004068018	A1	20040408	US 2003-678325	20031003
	WO 2004030663	A1	20040415	WO 2003-KR1955	20030925

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,

PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG,  
KZ, MD, RU, TJ

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,  
NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG

PRAI KR 2002-60798 20021005

KR 2003-53752 20030804

AB The present invention relates to a pharmaceutical composition for treating or preventing obesity, comprising novel crystalline sibutramine methanesulfonate hemihydrate. The crystalline sibutramine methanesulfonate hemihydrate according to the present invention has a much higher solubility in water, and enhanced stability under a high humidity/temperature condition, as compared with sibutramine hydrochloride monohydrate.

=> d ide 4-20

L3 ANSWER 4 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN

RN 586349-89-5 REGISTRY

CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, nitrate (9CI) (CA INDEX NAME)

MF C17 H26 Cl N . H N O3

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

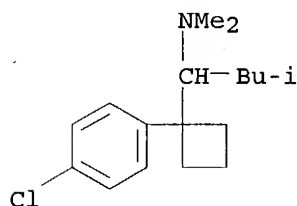
DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

CRN 106650-56-0

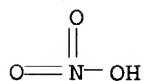
CMF C17 H26 Cl N



CM 2

CRN 7697-37-2

CMF H N O3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN

RN 433305-28-3 REGISTRY

CN Butanedioic acid, 2,3-bis(phenylmethoxy)-, (2S,3S)-, compd. with

( $\alpha$ R)-1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C18 H18 O6 . C17 H26 Cl N

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CAPLUS document type: Patent

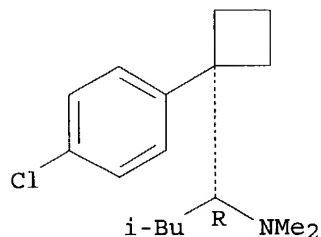
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 154752-44-0

CMF C17 H26 Cl N

Absolute stereochemistry. Rotation (+).

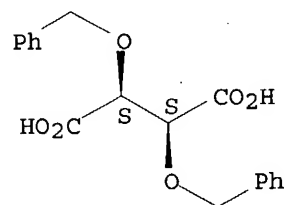


CM 2

CRN 116679-01-7

CMF C18 H18 O6

Absolute stereochemistry. Rotation (+).



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN

RN 391905-99-0 REGISTRY

CN Butanedioic acid, 2,3-bis(phenylmethoxy)-, (2R,3R)-, compd. with ( $\alpha$ S)-1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C18 H18 O6 . C17 H26 Cl N

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

DT.CA CAPLUS document type: Patent

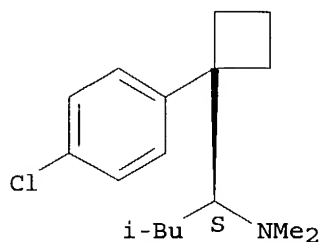
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 153341-22-1

CMF C17 H26 Cl N

Absolute stereochemistry. Rotation (-).

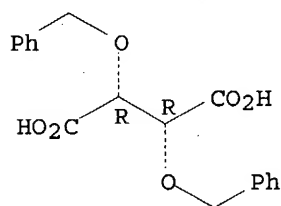


CM 2

CRN 138794-81-7

CMF C18 H18 O6

Absolute stereochemistry. Rotation (-).



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN

RN 391682-39-6 REGISTRY

CN Butanedioic acid, 2,3-bis(phenylmethoxy)-, (2R,3R)-, compd. with  
(αR)-1-(4-chlorophenyl)-N,N-dimethyl-α-(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C18 H18 O6 . C17 H26 Cl N

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

DT.CA Caplus document type: Patent

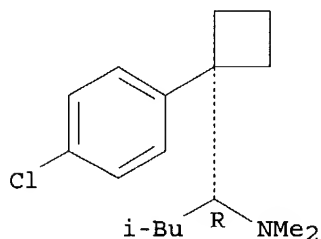
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 154752-44-0

CMF C17 H26 Cl N

Absolute stereochemistry. Rotation (+).

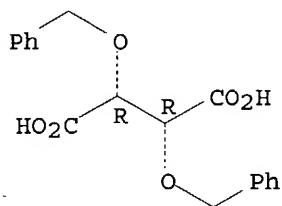




CM 2

CRN 138794-81-7  
CMF C18 H18 O6

Absolute stereochemistry. Rotation (-).



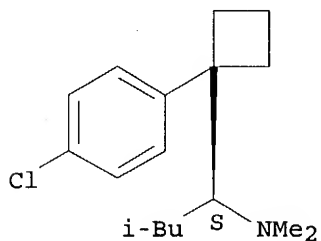
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 350701-71-2 REGISTRY  
CN Butanedioic acid, 2,3-bis(benzoyloxy)-, (2R,3R)-, compd. with  
( $\alpha$ S)-1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, ( $\alpha$ S)-, (2R,3R)-2,3-bis(benzoyloxy)butanedioate (1:1) (9CI)  
FS STEREOSEARCH  
MF C18 H14 O8 . C17 H26 Cl N  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 153341-22-1  
CMF C17 H26 Cl N

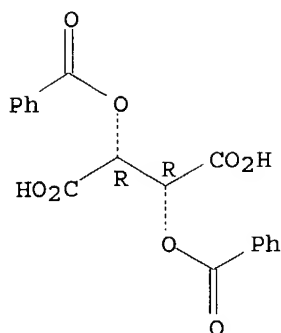
Absolute stereochemistry. Rotation (-).



CM 2

CRN 2743-38-6  
CMF C18 H14 O8

Absolute stereochemistry.

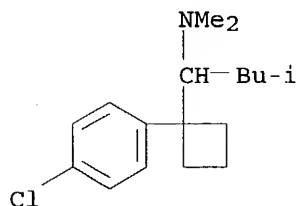


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 9 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 350502-77-1 REGISTRY  
CN Formic acid, compd. with 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, formate (9CI)  
MF C17 H26 Cl N . C H2 O2  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: RACT (Reactant or reagent)

CM 1

CRN 106650-56-0  
CMF C17 H26 Cl N



CM 2

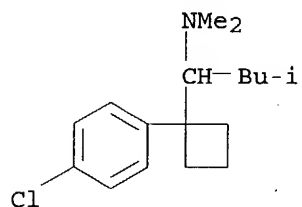
CRN 64-18-6  
CMF C H2 O2

O=CH-OH

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 286402-50-4 REGISTRY  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, monohydrate (9CI) (CA INDEX NAME)  
MF C17 H26 Cl N . H2 O  
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)  
 CRN (106650-56-0)



● H<sub>2</sub>O

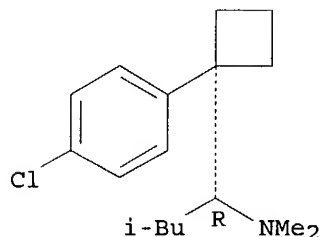
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 260402-77-5 REGISTRY  
 CN Butanedioic acid, 2,3-bis(benzoyloxy)-, (2S,3S)-, compd. with  
 (αR)-1-(4-chlorophenyl)-N,N-dimethyl-α-(2-  
 methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl-α-(2-  
 methylpropyl)-, (αR)-, (2S,3S)-2,3-bis(benzoyloxy)butanedioate (1:1)  
 (9CI)  
 FS STEREOSEARCH  
 MF C18 H14 O8 . C17 H26 Cl N  
 SR CA  
 LC STN Files: CA, CAPLUS  
 DT.CA Caplus document type: Journal; Patent  
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)  
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT  
 (Reactant or reagent)

CM 1

CRN 154752-44-0  
 CMF C17 H26 Cl N

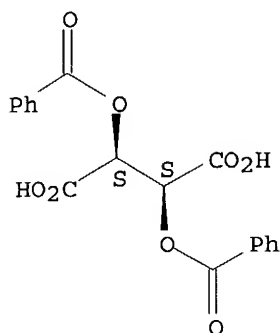
Absolute stereochemistry. Rotation (+).



CM 2

CRN 17026-42-5  
 CMF C18 H14 O8

Absolute stereochemistry. Rotation (+).



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN

RN 259729-88-9 REGISTRY

CN Butanedioic acid, 2,3-dihydroxy-, bis(phenylmethyl) ester, (2S,3S)-, compd. with ( $\alpha$ R)-1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, ( $\alpha$ R)-, compd. with bis(phenylmethyl) (2S,3S)-2,3-dihydroxybutanedioate (1:1) (9CI)

FS STEREOSEARCH

MF C18 H18 O6 . C17 H26 Cl N

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

DT.CA Caplus document type: Patent

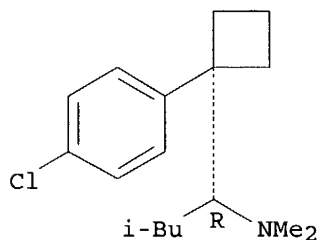
RL.P Roles from patents: PREP (Preparation)

CM 1

CRN 154752-44-0

CMF C17 H26 Cl N

Absolute stereochemistry. Rotation (+).

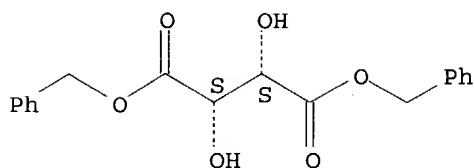


CM 2

CRN 4136-22-5

CMF C18 H18 O6

Absolute stereochemistry. Rotation (-).



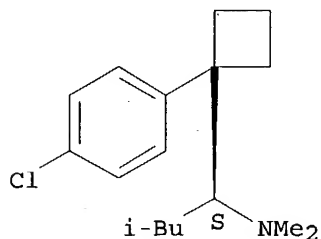
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 259729-87-8 REGISTRY  
CN Butanedioic acid, 2,3-dihydroxy- (2R,3R)-, bis(phenylmethyl) ester, compd. with (αS)-1-(4-chlorophenyl)-N,N-dimethyl-α-(2-methylpropyl)cyclobutanemethanamine (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl-α-(2-methylpropyl)-, (αS)-, compd. with bis(phenylmethyl) (2R,3R)-2,3-dihydroxybutanedioate (1:1) (9CI)  
FS STEREOSEARCH  
MF C18 H18 O6 . C17 H26 Cl N  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 153341-22-1  
CMF C17 H26 Cl N

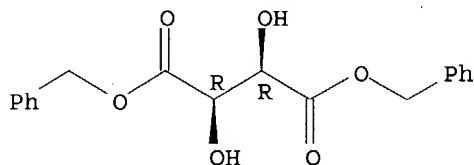
Absolute stereochemistry. Rotation (-).



CM 2

CRN 622-00-4  
CMF C18 H18 O6

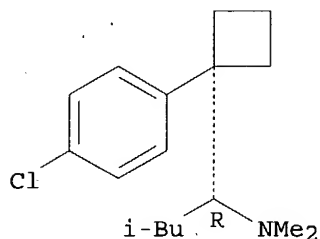
Absolute stereochemistry. Rotation (+).



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 154752-45-1 REGISTRY  
 CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, hydrochloride, ( $\alpha$ R)- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN (+)-Sibutramine hydrochloride  
 FS STEREOSEARCH  
 MF C17 H26 Cl N . Cl H  
 SR CA  
 LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, PS, USPATFULL  
 DT.CA Caplus document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)  
 RL.NP Roles from non-patents: PREP (Preparation)  
 CRN (154752-44-0)

Absolute stereochemistry. Rotation (+).

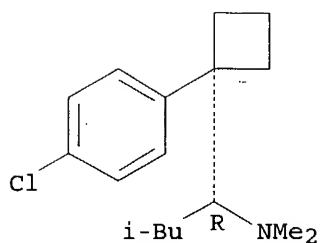


● HCl

5 REFERENCES IN FILE CA (1907 TO DATE)  
 5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 154752-44-0 REGISTRY  
 CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, ( $\alpha$ R)- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN (+)-Sibutramine  
 CN (R)-Sibutramine  
 FS STEREOSEARCH  
 MF C17 H26 Cl N  
 CI COM  
 SR CA  
 LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, IMSPATENTS, IMSRESEARCH, PS, TOXCENTER, USPAT2, USPATFULL  
 DT.CA Caplus document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry. Rotation (+).

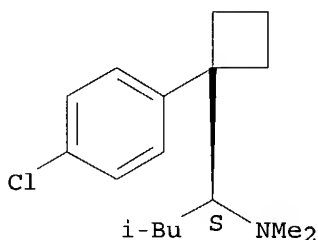


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

43 REFERENCES IN FILE CA (1907 TO DATE)  
43 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 153341-23-2 REGISTRY  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, hydrochloride, ( $\alpha$ S)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN (-)-Sibutramine hydrochloride  
FS STEREOSEARCH  
MF C17 H26 Cl N . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, PS, TOXCENTER, USPAT2, USPATFULL  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
RL.NP Roles from non-patents: PREP (Preparation)  
CRN (153341-22-1)

Absolute stereochemistry. Rotation (-).



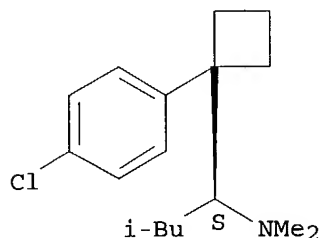
● HCl

9 REFERENCES IN FILE CA (1907 TO DATE)  
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 17 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 153341-22-1 REGISTRY  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN (-)-Sibutramine  
CN (S)-Sibutramine  
FS STEREOSEARCH

MF C17 H26 Cl N  
 CI COM  
 SR CA  
 LC STN Files: ADISNEWS, CA, CAPLUS, CIN, IMSDRUGNEWS, IMSPATENTS,  
 IMSRESEARCH, PS, TOXCENTER, USPAT2, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC  
 (Process); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

40 REFERENCES IN FILE CA (1907 TO DATE)  
 40 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 125494-59-9 REGISTRY  
 CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, hydrochloride, monohydrate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Sibutramine hydrochloride monohydrate

MF C17 H26 Cl N . Cl H . H2 O

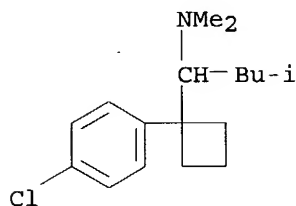
SR US Adopted Names Council (USAN)

LC STN Files: CA, CAPLUS, CHEMCATS, CSCHEM, IMSDRUGNEWS, IMSPATENTS,  
 IMSRESEARCH, IPA, MRCK\*, PS, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC  
 (Process); USES (Uses)

CRN (106650-56-0)



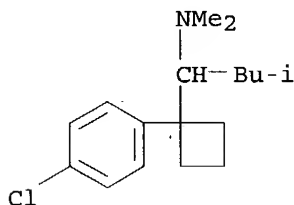
● HCl

● H<sub>2</sub>O



40 REFERENCES IN FILE CA (1907 TO DATE)  
40 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 106650-56-0 REGISTRY  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Medaria  
CN Meridia  
CN Sibutramine  
FS 3D CONCORD  
MF C17 H26 Cl N  
CI COM  
SR World Health Organization (WHO)  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DIOGENES, DRUGU, EMBASE, IMSCOSEARCH, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PHAR, PIRA, PROMT, PROUSDDR, PS, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: WHO  
DT.CA Caplus document type: Dissertation; Journal; Patent  
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PROC (Process); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study)

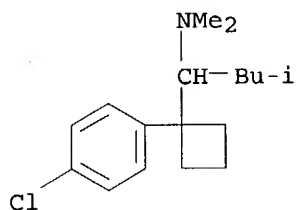


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

346 REFERENCES IN FILE CA (1907 TO DATE)  
29 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
348 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 20 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 84485-00-7 REGISTRY  
CN Cyclobutanemethanamine, 1-(4-chlorophenyl)-N,N-dimethyl- $\alpha$ -(2-methylpropyl)-, hydrochloride (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN BTS 54524  
CN Reductil  
CN Sibutramine hydrochloride  
DR 111394-01-5  
MF C17 H26 Cl N . Cl H  
LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHM, DIOGENES, IMSPATENTS, IMSRESEARCH, IPA, PHAR, PROMT, PROUSDDR, PS, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC  
(Process); RACT (Reactant or reagent); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
study); PREP (Preparation); PROC (Process); USES (Uses)  
CRN (106650-56-0)



● HCl

77 REFERENCES IN FILE CA (1907 TO DATE)  
77 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>